

Abstract

Neglecting agriculture related activities can be named as one of the main problems modern days man faces. There are several reasons why man prefers not to cultivate. With the development of the technology, new generation has rejected old and hard methods of farming which made a decrease in agriculture related activities.

In the early days, most of the farming activities were done using animals like bulls cows etc. with the industrial revolution, most of the animal related activities in agriculture were replaced by machines. Application of steam power to the agriculture activities which was found by John Fowler in 1850s can be named as a milestone in modern agriculture. Time has passed and almost all the activities that were done by traditional methods are replaced machines. Distribution of seeds, fertilizer, insecticides, weedicides and water are done using machines. Furthermore, planting, harvesting processes are also done using machines.

However it still has failed to attract younger generation to the agricultural related activities. High maintenance cost and high effort which has to be put can be named as major problems that exist. Apart from the practical difficulties that occur, sound and environmental pollution that happens because of the emissions of the diesel powered vehicles can be reduced with a new approach to the agricultural related activities.

Electricity seems to be most viable source for the energy crisis and environmental pollution that occurs during the power generation. As a solution the above mentioned problems, an electric quad-copter which has the ability to supply water, fertilizer, weedicides and insecticides while flying above the crop that will adapt the amount of liquid required depending on the crops & its condition was made. A functioning prototype of the actual model will be made.

